

زهرامدی ۱۴ (دوازدهم دختر A) خیلی راه حل های ناقصه از سری های بعد

همی غره غنیمت

$\sqrt{x} \rightarrow x \geq 0 \rightarrow \text{قابل قبول} \quad \textcircled{I} \quad 2n-1 \quad x \geq 5$

$\sqrt{3x+5} \geq 0 \rightarrow x \geq -\frac{5}{3} \quad 3n+3 \quad x < 5$

$\textcircled{I} \cup \textcircled{II} = [-\frac{5}{3}, 5) \quad \textcircled{II} \quad x \in [-\frac{5}{3}, 5)$

$$\frac{3 \left(\frac{18n^3 + 12n^2 + 4n + 1}{(n+1)^3} \right)}{\frac{(n+1)^3}{(n+1)}} = \frac{3}{(n+1)} \rightarrow D_f = R - \left\{ -\frac{1}{2} \right\}$$

$$\frac{x^3 + 2n^2 - n - 2 \cdot \frac{n-1}{n^2 + 3n + 2}}{n^3 - n^2} = \frac{3n^2 - n - 2}{3n^2 - 2n} = \frac{3n - 2}{3n - 2}$$

$$\frac{(x-1)(n+1)(n+2)}{(n-1)(n+1)} \rightarrow C=2$$

$$\frac{a+2}{b+1} = 3$$

$$\frac{-a+2}{b-1} = 1$$

$$g(1) = 3$$

$$g(-1) = 1$$

$$a+2 = 3b+3$$

$$-a+2 = b-1$$

$$3b+1 = -b+3$$

$$4b = 2 \rightarrow b = \frac{1}{2}$$

$$b + C = \frac{a}{2}$$

$$C=1 \quad b=1 \quad a=-2 \quad (x-1)^2 = n^2 - 2n + 1$$

$$a+b+C=0$$

$$(n-2)^2(n) + (-n-2)^2(-n) =$$

$$n(n^2 - 4n + 4) + (n^2 + 4n + 4)(-n)$$

$$\cancel{n^3} - 4n^2 + 4n + \cancel{(-n^3)} - 4n^2 - 4n = -8n^2$$

$$1 - 2n = -1 \rightarrow n = 1 \rightarrow \sqrt{1} = 1$$

$$1 - 2n = 3 \rightarrow n = -1 \rightarrow \sqrt{-1} + 2 = 1$$

سوال $f(-1) + f(1)$ رو می خواد

$$f(4) = \frac{289 + 12}{298}$$

← اگر $n=4$

⑦

① راه حل؟

$$f(t) + f(-t) = \cancel{t^3} + \cancel{t} - \cancel{t^3} - \cancel{t} = 0$$

① ⑧ راه حل؟

از بی؟

$$b = 3a$$

$$-b = 0 \rightarrow b = 4$$

$$2k = -1 \rightarrow k = -\frac{1}{2}$$

⑨

$$7 - 2 + \frac{1}{2} = \frac{1}{2}$$

② ⑤ صفتی نه ...

از بی او نه؟

$$m = 7$$

$$2 + n - (2\sqrt{2}) = 9\sqrt{2}$$

$$\rightarrow n = -2 + 11\sqrt{2}$$

$$m + n = 8 + 11\sqrt{2}$$

① ⑩

9. اشتراط دامنه f و g فقط $a=1$ است پس

$$D_f = \left[\frac{a}{f}, +\infty \right) \quad D_g = \left(-\infty, \frac{b}{f} \right] \xrightarrow{\cap} \{1\}$$

$$\frac{a}{f} = \frac{b}{f} = 1 \rightarrow a = \frac{f}{f} \quad b = f$$

$$f(1) - g(1) = K \rightarrow 2K - 2 - 2K = K \rightarrow K = -1$$

$$\frac{a}{f} - \frac{b}{f} = K = \textcircled{1}$$